P. TINT COOPERATION TREAT

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

10:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room

CP2/5C24

Arlington, VA 22202

Date of mailing (day/month/year) 13 November 2000 (13.11.00)	ETATS-UNIS D'AMERIQUE in its capacity as elected Office
International application No. PCT/US00/09852	Applicant's or agent's file reference CM2093/3M
International filing date (day/month/year) 13 April 2000 (13.04.00)	Priority date (day/month/year) 13 April 1999 (13.04.99)
Applicant MORRISON Christopher Andrew	

1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	06 October 2000 (06.10.00)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

S. Mafla

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35

TENT COOPERATION TRIEDY

PCT

REC'D 0 5 APR 2001

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's CM2093/	or agent's file re 3M		THER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
	l application No	International	filing date (day/month/y	year) Priority date (day/month/year)
PCT/US		13/04/200		13/04/1999
Internationa C11D17/		ication (IPC) or national classifica	ation and IPC	
Applicant THE PRO	OCTER & GA	AMBLE COMPANY et al.		
		reliminary examination report to the applicant according to A		by this International Preliminary Examining Authority
2. This f	REPORT cons	sists of a total of 6 sheets, inc	cluding this cover she	eet.
b	een amended		oort and/or sheets co	description, claims and/or drawings which have intaining rectifications made before this Authority ns under the PCT).
These	e annexes cor	sist of a total of sheets.		
3. This r		s indications relating to the fo	llowing items:	
, H	☐ Priority	f the report		
111	′	tablishment of oninion with re	egard to povelty inve	entive step and industrial applicability
١٧		unity of invention	sgard to noverty, hive	shive step and industrial applicability
v	⊠ Reasor	•		ovelty, inventive step or industrial applicability;
VI	_	documents cited		
VII	Certain	defects in the international a	application	
VIII	⊠ Certain	observations on the internat	ional application	
Date of sub	mission of the c	lemand	Date of co	ompletion of this report
06/10/20	00		03.04.200	D1 .
	mailing address examining auth	of the international ority:	Authorize	d officer
<u>)</u>	European Pat D-80298 Mun Tel. +49 89 23		Ruckeb	ousch, V
	Fax: +49 89 2	•	Tolophon	e No. +49 89 2399 8493

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US00/09852

I.	Bas	sis of the report	
1.	the and	receiving Office in re	ents of the international application (Replacement sheets which have been furnished to esponse to an invitation under Article 14 are referred to in this report as "originally filed" this report since they do not contain amendments (Rules 70.16 and 70.17)):
	1-6	3	as originally filed
	Cla	ims, No.:	
	1-18	8	as originally filed
2.			uage, all the elements marked above were available or furnished to this Authority in the nternational application was filed, unless otherwise indicated under this item.
	The	se elements were a	vailable or furnished to this Authority in the following language: , which is:
		the language of a ti	ranslation furnished for the purposes of the international search (under Rule 23.1(b)).
		the language of put	blication of the international application (under Rule 48.3(b)).
		the language of a to 55.2 and/or 55.3).	ranslation furnished for the purposes of international preliminary examination (under Rule
3.		•	eotide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:
		contained in the inte	ernational application in written form.
		filed together with t	he international application in computer readable form.
		furnished subseque	ently to this Authority in written form.
		furnished subseque	ently to this Authority in computer readable form.
			the subsequently furnished written sequence listing does not go beyond the disclosure in plication as filed has been furnished.
		The statement that listing has been fur	the information recorded in computer readable form is identical to the written sequence nished.
4.	The	amendments have	resulted in the cancellation of:
		the description,	pages:
		the claims,	Nos.:

5.

This report has been established as if (some of) the amendments had not been made, since they have been

Form PCT/IPEA/409 (Boxes I-VIII, Sheet 1) (July 1998)

sheets:

considered to go beyond the disclosure as filed (Rule 70.2(c)):

☐ the drawings,



International application No. PCT/US00/09852

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

- 6. Additional observations, if necessary:
- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- 1. Statement

Novelty (N)

Yes:

Claims

No:

Claims 1-18

Inventive step (IS)

Yes:

Claims

Claims

Industrial applicability (IA)

No: Claims 1-18

Yes: No: Claims 1-18

2. Citations and explanations see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made: see separate sheet

EXAMINATION REPORT - SEPARATE SHEET

1. Reference is made to the following documents:

D1: WO 96 38527 A (KAO CORP) 5 December 1996

D2: DE 34 38 654 A (LION CORP) 9 May 1985

D3: US-A-4 164 478 (IKEUCHI TAKASHI ET AL) 14 August 1979

D4: DATABASE WPI Section Ch, Week 198743 Derwent Publications Ltd., London, GB; Class D25, AN 1987-302957 XP002143418, 18 September 1987

D5: DATABASE WPI Section Ch, Week 199125 Derwent Publications Ltd.,

London, GB; Class A97, AN 1991-182438 XP002143439), 13 May 1991

D6: WO 92 13030 A (GENENCOR INT) 6 August 1992

Re Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

2. Novelty (Article 33(2) PCT)

- 2.1 D1 discloses (cf. page 6, line 25 to page 8, line 11; examples, claims 1 and 6) an enzyme-containing granulated substance comprising an enzyme-containing particulate substance and a coating layer which is formed on the particulate substance and comprises (a) water insoluble or hardly water soluble inorganic particles having an average particle diameter of 1 to 100 µm (such as calcium or magnesium carbonate, clay, zeolite and titanium oxide), (b) water insoluble or hardly water soluble inorganic particles having an average particle diameter of 0.01 to 0.8 µm (titanium oxide) and (c) a binder (a nonionic surfactant such as polyethylene glycol).
- 2.2 Document D2 (cf. claims 1 and 4) relates to a process for manufacturing detergent granulate compositions comprising a solid particulated detergent composition which is dusted with a fine water-soluble powder (such as titanium dioxide).

- 2.3 Also document D3 (cf. example 2; claims 1 and 9), document D4 (cf. abstract), document D5 (cf. abstract) and document D6 (cf. example 2; claim 1) describe the subject-matter of present claim 1.
- 2.4 Moreover, all the documents D1 to D6 would therefore appear to detract from novelty of independent claims 1, 8, 11 (see paragraph 6.), 12, 13 and 15 to 18 according to the requirements of Article 33(2) PCT.
- 2.5 Dependent claims 3 to 7, 9 and 10 do not contain any features which have not already been disclosed or suggested in documents D1 to D6, to meet the requirements of the PCT in respect of novelty. Because dependent claims 2 and 14 comprise a lack of clarity (see paragraph 5.), the subject-matter of those said claims are not novel while all the usual features are already disclosed in the prior art (see Guidelines IV-7.5 PCT).

3. Inventive step (Article 33(3) PCT)

- 3.1 Given the situation of novelty set out in paragraph 2. above it makes little sense to consider the issue of inventive step at this stage. The closest prior art would nevertheless appear to be document D1, which like the present application is concerned with a granulated substance comprising a visible light reflecting component (water-insoluble or hardly water-soluble inorganic particle having an average particle diameter of 0.01 to 0.8 µm such as titanium oxide).
- 3.2 Moreover, it appears to be obvious to have a particle comprising a particulate component and a visible light reflecting component, which has a higher visible light reflection intensity than the particulate component alone. This statement can therefore not be considered as involving an inventive step (Article 33(3) PCT).

INTERNATIONAL PRELIMINARY InterEXAMINATION REPORT - SEPARATE SHEET

Re Item VIII

Certain observations on the international application

- 4. Claims 1, 13 and 15 do not meet the requirements of Article 6 PCT in that the matter for which protection is sought is not clearly defined. The claims attempt to define the subject-matter in terms of the result to be achieved which merely amounts to a statement of the underlying problem. The technical features necessary for achieving this result should be added.
- 5. The "lustre index" and its standard (special particle size of sodium citrate dihydrate salt) is an obscure and unusual parameter and can not be considered as a normal feature to define the detergent particle with regard to the prior art (see Guidelines IV- 4.7a PCT).
- 6. Because claim 8 discloses a "process for making" the product claim 1 to 7, product claim 11, which relates to a particle "obtainable by a process of claims 8 to 10", appears to be superfluous and should be deleted.

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference CM2093/3M		of Transmittal of International Search Report 220) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US 00/09852	13/04/2000	13/04/1999
Applicant THE PROCTER & GAMBLE COMP	ANY et al.	
This International Search Report has bee according to Article 18. A copy is being tr	en prepared by this International Searching Aut ansmitted to the International Bureau.	hority and is transmitted to the applicant
This International Search Report consists It is also accompanied by	s of a total of sheets. If a copy of each prior art document cited in this	s report.
1. Basis of the report		
	international search was carried out on the ba less otherwise indicated under this item.	sis of the international application in the
the international search v Authority (Rule 23.1(b)).	was carried out on the basis of a translation of	the international application furnished to this
b. With regard to any nucleotide ar was carried out on the basis of the		nternational application, the international search
	ernational application in computer readable for	r m .
<u></u>	o this Authority in written form.	
furnished subsequently to	o this Authority in computer readble form.	
	bsequently furnished written sequence listing of as filed has been furnished.	does not go beyond the disclosure in the
		is identical to the written sequence listing has been
2. Certain claims were for	und unsearchable (See Box I).	
3. Unity of Invention is lac	king (see Box II).	
4. With regard to the title,		
the text is approved as s	ubmitted by the applicant.	
the text has been establi	shed by this Authority to read as follows:	
5. With regard to the abstract,		
the text is approved as s	ubmitted by the applicant.	
	shed, according to Rule 38.2(b), by this Author e date of mailing of this international search re	
6. The figure of the drawings to be pub	olished with the abstract is Figure No.	
as suggested by the app	licant.	None of the figures.
because the applicant fa	iled to suggest a figure.	
because this figure bette	r characterizes the invention.	

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

Visible light reflecting particles comprise one or more detergent ingredients and a light reflecting component, which results in the particle having a specular visible light reflection which is greater in intensity than the specular visible light reflection of the ingredients per se. Preferably, the reflection is greater than the reflection of sodium citrate dihydrate, as defined herein.

The reflecting particle preferably comprises the light reflecting component evenly applied on its surface.

The particles are particularly suitable for incorporation into laundry or dish washing compositions, fabric conditioning compositions or hard-surface cleaning compositions.

International Application No POSS 00/09852

Relevant to claim No.

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C11D17/00 C11D3/40

C11D3/12

C11D11/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Category °

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

Citation of document, with indication, where appropriate, of the relevant passages

WPI Data, EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

X	WO 96 38527 A (KAO CORP) 5 December 1996 (1996-12-05)		1,2,5,6, 9-13,
А	abstract; tables 1,2		16-18 14
х	US 4 164 478 A (IKEUCHI TAKASHI 14 August 1979 (1979-08-14)	ET AL)	1,2,5,6, 12,13, 16-18
Α .	abstract; examples 28-30		8,9,11, 14
		-/	
X Furt	her documents are listed in the continuation of box C.	χ Patent family members are listed	in annex.
"A" docume consider filing of the citation of citation of the citation of the citation of citation of citation	ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or means ent published prior to the international filing date but han the priority date claimed	"T" later document published after the interest or priority date and not in conflict with cited to understand the principle or the invention "X" document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the document of particular relevance; the cannot be considered to involve an indocument is combined with one or may ments, such combination being obvious in the art. "&" document member of the same patent.	the application but early underlying the claimed invention to considered to current is taken alone claimed invention ventive step when the ore other such docuurs to a person skilled
Date of the	actual completion of the international search	Date of mailing of the international se	arch report
2	5 July 2000	03/08/2000	
Name and r	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Saunders, T	

1

International	Application No
P	00/09852

	ation) DOCUMENTS CONSIDERED O BE RELEVANT	
Category °		Relevant to claim No.
X	DATABASE WPI Section Ch, Week 198743 Derwent Publications Ltd., London, GB; Class D25, AN 1987-302957 XP002143418 & JP 62 212498 A (LION CORP), 18 September 1987 (1987-09-18)	1-3,5,6, 12,13, 16-18
A	abstract	8,9,11, 14
X	DATABASE WPI Section Ch, Week 199125 Derwent Publications Ltd., London, GB; Class A97, AN 1991-182438 XP002143439 & JP 03 111497 A (KAO CORP),	1,2,5,6, 12,13, 16-18
Α	13 May 1991 (1991-05-13) abstract	9,11,14
X	WO 92 13030 A (GENENCOR INT) 6 August 1992 (1992-08-06)	1,2,5,6, 12,13, 16-18
Α	example 2	8,9,11, 14
X	DE 34 38 654 A (LION CORP) 9 May 1985 (1985-05-09)	1,2,5,6, 12,13, 16-18
Α	claims 1,4	8,9,11, 14
Α	WO 91 09927 A (HENKEL KGAA) 11 July 1991 (1991-07-11)	1-3,6,8, 11-14, 16-18
Δ.	example 2	
Α	US 4 861 510 A (WILMS ELMAN ET AL) 29 August 1989 (1989-08-29) example 1	1-3,6, 9-14,16, 18
Α	EP 0 737 739 A (PROCTER & GAMBLE) 16 October 1996 (1996-10-16) abstract; example 1	1,6-13, 16-18
Α	EP 0 318 729 A (COLGATE PALMOLIVE CO) 7 June 1989 (1989-06-07) example 2	15
Α	US 3 789 011 A (TANAKA Y) 29 January 1974 (1974-01-29) claim 1	15

1

INTERNATIONAL SEARCH REPORT Information on patent family members

International Application No

S 00/09852 Patent document Publication Patent family Publication cited in search report member(s) date date 09-12-1999 WO 9638527 Α 05-12-1996 DE 69605009 D DE 69605009 T 25-05-2000 EP 0773984 A 21-05-1997 JP 2909888 B 23-06-1999 JP 9048996 A 18-02-1997 US 5851975 A 22-12-1998 US 4164478 14-08-1979 JP 19-09-1984 Α 1229923 C JP 53114807 A 06-10-1978 JP 59001439 B 12-01-1984 DE 2811543 A 21-09-1978 JP 62212498 18-09-1987 NONE JP 3111497 JP 27-10-1998 Α 13-05-1991 2815925 B WO 9213030 US Α 06-08-1992 5254283 A 19-10-1993 DE 69228764 D 29-04-1999 DE 69228764 T 02-09-1999 0636167 A EP 01-02-1995 JP 7506124 T 06-07-1995 DE 3438654 09-05-1985 JP 1937768 C 09-06-1995 JP 5010400 B 09-02-1993 JP 60096698 A 30-05-1985 WO 9109927 3943019 A 04-07-1991 11-07-1991 DE US 4861510 Α 29-08-1989 DE 3702111 A 04-08-1988 29988 A 25-07-1988 DK EP 03-08-1988 0276705 A FΙ 880274 A 25-07-1988 JP 63195112 A 12-08-1988 25-07-1988 NO 880250 A 23-10-1996 EP 0737739 Α 16-10-1996 GB 2299956 A EP 0318729 Α 07-06-1989 US 4867899 A 19-09-1989 ΑU 2563388 A 01-06-1989 25-08-1992 CA 1306658 A 25-07-1990 ZA 8808536 A US 3789011 29-01-1974 12-08-1974 Α JP 49030246 B



PCT





INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7:

(11) International Publication Number:

WO 00/61718

C11D 17/00, 3/40, 3/12, 11/00

A1

(43) International Publication Date:

19 October 2000 (19.10.00)

(21) International Application Number:

PCT/US00/09852

(22) International Filing Date:

13 April 2000 (13.04.00)

(30) Priority Data:

9908354.5

13 April 1999 (13.04.99)

GB

(71) Applicant (for all designated States except US): THE PROC-TER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): MORRISON, Christopher, Andrew [GB/GB]; 29 Sunlea Avenue, Cullercoats, Tyne & Wear NE30 3DS (GB).

(74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).

(81) Designated States: AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), DM, EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

With international search report.

(54) Title: LIGHT REFLECTING PARTICLES

(57) Abstract

Visible light reflecting particles comprise one or more detergent ingredients and a light reflecting component, which results in the particle having a specular visible light reflection which is greater in intensity than the specular visible light reflection of the ingredients per se. Preferably, the reflection is greater than the reflection of sodium citrate dihydrate, as defined herein. The reflecting particle preferably comprises the light reflecting component evenly applied on its surface. The particules are particularly suitable for incorporation into laundry or dish washing compositions, fabric conditioning compositions or hard-surface cleaning compositions.

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
ΑU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
ΑZ	Azerbaijan	GB	United Kingdom	MC	Мопасо -	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav	TM	Turkmenistan
BF	Burkina Faso	GR	Greece		Republic of Macedonia	TR	Turkey
BG	Bulgaria	HU	Hungary	ML	Mali	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MN	Mongolia	UA	Ukraine
BR	Brazil	IL	Israel	MR	Mauritania	UG	Uganda
BY	Belarus	IS	Iceland .	MW	Malawi	US	United States of America
CA	Canada	IT	Italy	MX	Mexico	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NE	Niger	VN	Viet Nam
CG	Congo	KE	Kenya	NL	Netherlands	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NO	Norway	zw	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's	NZ	New Zealand	2.,	2545
CM	Cameroon		Republic of Korea	PL	Poland		
CN	China	KR	Republic of Korea	PT	Portugal		
CU	Cuba	KZ	Kazakstan	RO	Romania		
CZ	Czech Republic	LC	Saint Lucia	RU	Russian Federation		
DE	Germany	LI	Liechtenstein	SD	Sudan		
DK	Denmark	LK	Sri Lanka	SE	Sweden		
EE	Estonia	LR	Liberia	SG	Singapore		

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C11D17/00 C11D3/40

C11D3/12

C11D11/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{C11D} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 96 38527 A (KAO CORP) 5 December 1996 (1996-12-05)	1,2,5,6, 9-13, 16-18
Α .	abstract; tables 1,2	14
X	US 4 164 478 A (IKEUCHI TAKASHI ET AL) 14 August 1979 (1979-08-14)	1,2,5,6, 12,13, 16-18
A	abstract; examples 28-30	8,9,11, 14
	-/	

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
25 July 2000	03/08/2000
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040. Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Saunders, T

1

Into Ional Application No PCT/US 00/09852

	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
(DATABASE WPI Section Ch, Week 198743 Derwent Publications Ltd., London, GB;	1-3,5,6, 12,13, 16-18
	Class D25, AN 1987-302957 XP002143418 & JP 62 212498 A (LION CORP),	
	18 September 1987 (1987-09-18)	
A	abstract	8,9,11, 14
(DATABASE WPI	1,2,5,6,
	Section Ch, Week 199125 Derwent Publications Ltd., London, GB; Class A97, AN 1991-182438	12,13, 16-18
	XP002143439 & JP 03 111497 A (KAO CORP),	
	13 May 1991 (1991-05-13)	
Ą	abstract 	9,11,14
X	WO 92 13030 A (GENENCOR INT)	1,2,5,6,
	6 August 1992 (1992-08-06)	12,13, 16-18
A	example 2	8,9,11,
		14
X	DE 34 38 654 A (LION CORP)	1,2,5,6
	9 May 1985 (1985-05-09)	12,13, 16-18
A	claims 1,4	8,9,11,
		14
A	WO 91 09927 A (HENKEL KGAA)	1-3,6,8
	11 July 1991 (1991-07-11)	11-14, 16-18
	example 2	10-18
A	US 4 861 510 A (WILMS ELMAN ET AL)	1-3,6,
	29 August 1989 (1989-08-29)	9-14, 16 18
	example 1	10
Α	EP 0 737 739 A (PROCTER & GAMBLE)	1,6-13,
	16 October 1996 (1996-10-16)	16-18
	abstract; example 1	
A	EP 0 318 729 A (COLGATE PALMOLIVE CO)	15
	7 June 1989 (1989-06-07) example 2	
4	US 3 789 011 A (TANAKA Y)	15
`	29 January 1974 (1974-01-29) claim 1	15

Information on patent family members

Int. Ironal Application No PCT/US 00/09852

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9638527	Α	05-12-1996	DE	69605009 D	09-12-1999
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•	JU 12 1330	DE	69605009 T	25-05-2000
			EP	0773984 A	21-05-1997
			JP	2909888 B	23-06-1999
			JP	9048996 A	18-02-1997
			US	5851975 A	22-12-1998
US 4164478	Α	14-08-1979	JP	1229923 C	19-09-1984
			JP	53114807 A	06-10-1978
			JP	59001439 B	12-01-1984
			DE	2811543 A	21-09-1978
JP 62212498	Α	18-09-1987	NONI	 E	
JP 3111497	Α	13-05-1991	JP	2815925 B	27-10-1998
WO 9213030	 А	06-08-1992	US	5254283 A	19-10-1993
	••	00 00 1332	DE	69228764 D	29-04-1999
			DE	69228764 T	02-09-1999
			EP	0636167 A	01-02-1995
			JP	7506124 T	01-02-1995
			UF	/500124 	00-0/-1995
DE 3438654	Α	09-05-1985	JP	1937768 C	09-06-1995
			JP	5010400 B	09-02-1993
			JP	60096698 A	30-05-1985
WO 9109927	Α	11-07-1991	DE	3943019 A	04-07-1991
US 4861510	 А	29-08-1989	DE	3702111 A	04-08-1988
	••		DK	29988 A	25-07-1988
			EP	0276705 A	03-08-1988
			FI	880274 A	25-07-1988
			JP	63195112 A	12-08-1988
			NO	880250 A	25-07-1988
			·	00UZJU A	25-07-1960
EP 0737739	Α	16-10-1996	GB	2299956 A	23-10-1996
EP 0318729	Α	07-06-1989	US	4867899 A	19-09-1989
			AU	2563388 A	01-06-1989
			CA	1306658 A	25-08-1992
			ZA	8808536 A	25-07-1990
US 3789011		29-01-1974	JP	49030246 B	12-08-1974